

Soil Features

(See text for definitions of terms used in this table. Absence of an entry indicates that the feature is not a concern or that data were not estimated.)

Davis County, Iowa

Map symbol and soil name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
13B: Olmitz-----	---	> 80	---	---	---	---	Moderate----	Moderate----	Moderate.
Vesser-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
Zook-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
24D2: Shelby-----	---	> 80	---	---	---	---	Moderate----	Moderate----	Moderate.
24E2: Shelby-----	---	> 80	---	---	---	---	Moderate----	Moderate----	Moderate.
51: Vesser-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
51+: Vesser-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
51B: Vesser-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
51B+: Vesser-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
54: Zook-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
54+: Zook-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
56B: Cantril-----	---	> 80	---	---	---	---	High-----	Moderate----	Low.
58D2: Douds-----	---	> 80	---	---	---	---	Moderate----	Moderate----	Moderate.

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		In	In		In	In			
65E: Lindley-----	---	> 80	---	---	---	---	Moderate----	Moderate----	Moderate.
65E2: Lindley-----	---	> 80	---	---	---	---	Moderate----	Moderate----	Moderate.
65F: Lindley-----	---	> 80	---	---	---	---	Moderate----	Moderate----	Moderate.
65F2: Lindley-----	---	> 80	---	---	---	---	Moderate----	Moderate----	Moderate.
80B: Clinton-----	---	> 80	---	---	---	---	Moderate----	Moderate----	Moderate.
80C: Clinton-----	---	> 80	---	---	---	---	Moderate----	Moderate----	Moderate.
80C2: Clinton-----	---	> 80	---	---	---	---	Moderate----	Moderate----	Moderate.
80D2: Clinton-----	---	> 80	---	---	---	---	Moderate----	Moderate----	Moderate.
93D2: Adair-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
Shelby-----	---	> 80	---	---	---	---	Moderate----	Moderate----	Moderate.
94E2: Caleb-----	---	> 80	---	---	---	---	Moderate----	Moderate----	Moderate.
Mystic-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.
130: Belinda-----	---	> 80	---	---	---	---	Moderate----	High-----	Moderate.

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		In	In		In	In			
131B: Pershing-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
131C2: Pershing-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
132B: Weller-----	---	> 80	---	---	---	---	High-----	High-----	High.
132C: Weller-----	---	> 80	---	---	---	---	High-----	High-----	High.
132C2: Weller-----	---	> 80	---	---	---	---	High-----	High-----	High.
179D2: Gara-----	---	> 80	---	---	---	---	Moderate----	Moderate----	Moderate.
179E: Gara-----	---	> 80	---	---	---	---	Moderate----	Moderate----	Moderate.
179E2: Gara-----	---	> 80	---	---	---	---	Moderate----	Moderate----	Moderate.
179E3: Gara-----	---	> 80	---	---	---	---	Moderate----	Moderate----	Moderate.
179F: Gara-----	---	> 80	---	---	---	---	Moderate----	Moderate----	Moderate.
179F2: Gara-----	---	> 80	---	---	---	---	Moderate----	Moderate----	Moderate.
179F3: Gara-----	---	> 80	---	---	---	---	Moderate----	Moderate----	Moderate.
192C2: Adair-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.

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	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
192D2: Adair-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
211: Edina-----	---	> 80	---	---	---	---	Moderate----	High-----	Moderate.
222C2: Clarinda-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
222C3: Clarinda-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
223C2: Rinda-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
223C3: Rinda-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
260: Beckwith-----	---	> 80	---	---	---	---	Moderate----	High-----	Moderate.
261: Appanoose-----	---	> 80	---	---	---	---	Moderate----	High-----	Moderate.
263: Okaw-----	---	> 80	---	---	---	---	High-----	High-----	High.
269: Humeston-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
273B: Olmitz-----	---	> 80	---	---	---	---	Moderate----	Moderate----	Moderate.
312B: Seymour-----	---	> 80	---	---	---	---	Moderate----	High-----	Moderate.
312B2: Seymour-----	---	> 80	---	---	---	---	Moderate----	High-----	Moderate.

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	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
313E2: Gosport-----	Bedrock (paralithic)	20- 40	---	---	---	---	Moderate----	High-----	High.
313G: Gosport-----	Bedrock (paralithic)	20- 40	---	---	---	---	Moderate----	High-----	High.
313G2: Gosport-----	Bedrock (paralithic)	20- 40	---	---	---	---	Moderate----	High-----	High.
362: Haig-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
364B: Grundy-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
405: Floris-----	---	> 80	---	---	---	---	Moderate----	Low-----	Moderate.
423D2: Bucknell-----	---	> 80	---	---	---	---	Moderate----	High-----	Moderate.
423D3: Bucknell-----	---	> 80	---	---	---	---	Moderate----	High-----	Moderate.
424D2: Lindley-----	---	> 80	---	---	---	---	Moderate----	Moderate----	Moderate.
Keswick-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
424E2: Lindley-----	---	> 80	---	---	---	---	Moderate----	Moderate----	Moderate.
Keswick-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.

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	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
425C: Keswick-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
425C2: Keswick-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
425D: Keswick-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
425D2: Keswick-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
425D3: Keswick-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
430: Ackmore-----	---	> 80	---	---	---	---	High-----	High-----	Low.
451D2: Caleb-----	---	> 80	---	---	---	---	Moderate----	Moderate----	Moderate.
452C2: Lineville-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
453: Tuskeego-----	---	> 80	---	---	---	---	Moderate----	High-----	Moderate.
484: Lawson-----	---	> 80	---	---	---	---	High-----	Moderate----	Low.
520: Coppock-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
520B: Coppock-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
531B: Kniffin-----	---	> 80	---	---	---	---	Moderate----	High-----	Moderate.

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	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
531C: Kniffin-----	---	> 80	---	---	---	---	Moderate----	High-----	Moderate.
531C2: Kniffin-----	---	> 80	---	---	---	---	Moderate----	High-----	Moderate.
532B: Rathbun-----	---	> 80	---	---	---	---	Moderate----	High-----	Moderate.
532C: Rathbun-----	---	> 80	---	---	---	---	Moderate----	High-----	Moderate.
532C2: Rathbun-----	---	> 80	---	---	---	---	Moderate----	High-----	Moderate.
587: Chequest-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
592C2: Mystic-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.
592D2: Mystic-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.
592D3: Mystic-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.
594C2: Galland-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
594D2: Galland-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
715: Nodaway-----	---	> 80	---	---	---	---	High-----	Moderate----	Low.
Amana-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.

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	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
730B: Nodaway-----	---	> 80	---	---	---	---	High-----	Moderate----	Low.
Cantril-----	---	> 80	---	---	---	---	High-----	Moderate----	Low.
792C: Armstrong-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
792C2: Armstrong-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
792C3: Armstrong-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
792D: Armstrong-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
792D2: Armstrong-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
792D3: Armstrong-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
795D2: Ashgrove-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
822D2: Lamoni-----	---	> 80	---	---	---	---	Moderate----	High-----	Moderate.
831B: Pershing-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
831C2: Pershing-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
832B: Weller-----	---	> 80	---	---	---	---	High-----	High-----	High.



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		In	In		In	In			
832C2: Weller-----	---	> 80	---	---	---	---	High-----	High-----	High.
993D2: Gara-----	---	> 80	---	---	---	---	Moderate----	Moderate----	Moderate.
Armstrong-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
993D3: Gara-----	---	> 80	---	---	---	---	Moderate----	Moderate----	Moderate.
Armstrong-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
994E2: Douds-----	---	> 80	---	---	---	---	Moderate----	Moderate----	Moderate.
Galland-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
1130: Belinda-----	---	> 80	---	---	---	---	Moderate----	High-----	Moderate.
1139: Perks variant----	---	> 80	---	---	---	---	Moderate----	Low-----	Moderate.
1260: Beckwith-----	---	> 80	---	---	---	---	Moderate----	High-----	Moderate.
1715: Nodaway-----	---	> 80	---	---	---	---	High-----	Moderate----	Low.
Lawson-----	---	> 80	---	---	---	---	High-----	Moderate----	Low.
Ackmore-----	---	> 80	---	---	---	---	High-----	High-----	Low.
1977: Richwood variant---	---	> 80	---	---	---	---	Moderate----	Low-----	Moderate.

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	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
5010: Pits-----	---	---	---	---		---	---	---	---
5020: Pits-----	---	---	---	---		---	---	---	---
5021: Orthents-----	---	---	---	---		---	---	---	---
5030: Pits-----	---	---	---	---		---	---	---	---
5040: Orthents-----	---	---	---	---		---	---	---	---
W: Water-----	---	---	---	---		---	---	---	---

